

IN THE CLAIMS:

1 1 – 28 (Cancelled).

1 29. (Previously Presented) A method for operating a data storage network, compris-
2 ing:

3 executing a configuration verification computer program;

4 checking, by the configuration verification computer program, versions of a se-
5 lected component of a plurality of components installed in the data storage network;

6 checking, by the configuration verification computer program, configuration set-
7 tings of the selected component of the plurality of components of the data storage net-
8 work;

9 determining, in response to the configuration settings, if there are any misconfigu-
10 ration settings; and

11 sending, in response to determining that there are no misconfiguration settings, a
12 directed packet through a potential data path to ensure that a component of the storage
13 network is operational.

1 30. (Previously Presented) The method as in claim 29, further comprising:

2 presenting, in response to determining that there are misconfiguration settings, a
3 report to a user identifying a set of warnings and errors with the configuration settings.

1 31. (Previously Presented) The method of claim 30 further comprising:

2 including a return code in the report.

1 32. (Previously Presented) The method of claim 30, further comprising:

2 presenting in the report a graphical representation of a configuration of an envi-
3 ronment of the storage network.

- 1 33. (Previously Presented) The method of claim 32, further comprising:
2 presenting in the graphical representation a version and current configuration of
3 each component of the storage environment.
- 1 34. (Previously Presented) The method of claim 30 further comprising:
2 correcting automatically any of the set of warnings and errors.
- 1 35. (Previously Presented) The method of claim 30 further comprising:
2 passing the set of warnings and errors to an expert system.
- 1 36. (Previously Presented) The method of claim 29, further comprising:
2 entering a command by a user to execute the configuration verification computer
3 program.
- 1 37. (Previously Presented) The method of claim 29, further comprising:
2 initiating the configuration verification program by an administrator.
- 1 38. (Previously Presented) The method of claim 29, further comprising:
2 configuring one or more storage systems as a component of the plurality of com-
3 ponents.
- 1 39. (Previously Presented) The method of claim 29, further comprising:
2 configuring one or more clients as a component of the plurality of components.
- 1 40. (Previously Presented) The method of claim 29, further comprising:
2 configuring one or more network switches as a component of the plurality of
3 components.

1 41. (Previously Presented) The method of claim 29, further comprising:
2 configuring one or more interconnecting cables as a component of the plurality of
3 components.

1 42. (Previously Presented) The method of claim 29, further comprising:
2 accessing each of a storage system of the data storage network by the configura-
3 tion verification program to determine a version of a storage operating system executing
4 on the storage system.

1 43. (Previously Presented) The method of claim 42 further comprising:
2 sending a remote application program interface command to the storage system to
3 access the storage system.

1 44. (Previously Presented) The method of claim 42 further comprising:
2 repeating selecting the selected component until all components of the data stor-
3 age network are checked by the configuration verification computer program.

1 45. (Currently Amended) A data storage computer network, comprising:
2 a configuration verification computer program executed by a processor;
3 the configuration verification computer program to check versions of a selected
4 component of a plurality of components installed in the data storage computer network;
5 the configuration verification computer program to check configuration settings
6 of the selected component of the plurality of components of the data storage computer
7 network;
8 a the processor to determine, in response to the configuration settings, if there are
9 any misconfiguration settings; and
10 a port to send, in response to determining that there are no misconfiguration set-
11 tings, a directed packet through a potential data path to ensure that a component of the
12 storage system is operational.

- 1 46. (Previously Presented) The data storage network as in claim 45, further compris-
2 ing:
3 a report to present, in response to determining that there are misconfiguration set-
4 tings, to a user identifying a set of warnings and errors with the configuration settings.
- 1 47. (Previously Presented) The data storage network of claim 46 further comprising:
2 a return code included in the report.
- 1 48. (Previously Presented) The data storage network of claim 46, further comprising:
2 the report presenting a graphical representation of a configuration of an environ-
3 ment of the storage network.
- 1 49. (Previously Presented) The data storage network of claim 48, further comprising:
2 the graphical representation presenting a version and current configuration of each
3 component of the storage environment.
- 1 50. (Previously Presented) The data storage network of claim 46 further comprising:
2 a processor to correct automatically any of the set of warnings and errors.
- 1 51. (Previously Presented) The data storage network of claim 46 further comprising:
2 a processor to pass the set of warnings and errors to an expert system.
- 1 52. (Previously Presented) The data storage network of claim 45, further comprising:
2 a command entered by a user to execute the configuration verification computer
3 program.
- 1 53. (Previously Presented) The data storage network of claim 45, further comprising:
2 a command for an administrator to initiate the configuration verification program.

1 54. (Previously Presented) The data storage network of claim 45, further comprising:
2 one or more storage systems configured as a component of the plurality of com-
3 ponents.

1 55. (Previously Presented) The data storage network of claim 45, further comprising:
2 one or more clients configured as a component of the plurality of components.

1 56. (Previously Presented) The data storage network of claim 45, further comprising:
2 one or more network switches configured as a component of the plurality of com-
3 ponents.

1 57. (Previously Presented) The data storage network of claim 45, further comprising:
2 one or more interconnecting cables configured as a component of the plurality of
3 components.

1 58. (Previously Presented) The data storage network of claim 45, further comprising:
2 a command to access each of a storage system of the data storage network by the
3 configuration verification program to determine a version of a storage operating system
4 executing on the storage system.

1 59. (Previously Presented) The data storage network of claim 58 further comprising:
2 a remote application program interface command sent as the command to the
3 storage system to access the storage system.

1 60. (Previously Presented) The data storage network of claim 45 further comprising:
2 a processor to repeatedly select the selected component until all components of
3 the data storage network are checked by configuration verification computer program.

1 61. (Previously Presented) A computer readable media, comprising:
2 said computer readable media containing instructions for execution on a processor
3 for a method of operating a data storage network, the method having the steps of:
4 executing a configuration verification computer program;
5 checking, by the configuration verification computer program, versions of a se-
6 lected component of a plurality of components installed in the data storage network;
7 checking, by the configuration verification computer program, configuration set-
8 tings of the selected component of the plurality of components of the data storage net-
9 work;
10 determining, in response to the configuration settings, if there are any misconfigu-
11 ration settings; and
12 sending, in response to determining that there are no misconfiguration settings, a
13 directed packet through a potential data path to ensure that a component of the storage
14 network is operational.

1 62. (Cancelled).

1 63. (Previously Presented) A computer, comprising:
2 a configuration verification computer program;
3 the configuration verification computer program to check versions of a selected
4 component of a plurality of components installed in the data storage computer network;
5 the configuration verification computer program to check configuration settings
6 of the selected component of the plurality of components of the data storage computer
7 network;
8 a processor to determine, in response to the configuration settings, if there are any
9 misconfiguration settings; and

10 a port to send, in response to determining that there are no misconfiguration set-
11 tings, a directed packet through a potential data path to ensure that a component of the
12 storage system is operational.

1 64. (Currently Amended) A computer readable media executed by a processor, com-
2 prising:
3 executing a configuration verification computer program;
4 checking, by the configuration verification computer program, versions of a se-
5 lected component of a plurality of components installed in the data storage network;
6 checking, by the configuration verification computer program, configuration set-
7 tings of the selected component of the plurality of components of the data storage net-
8 work;
9 determining, in response to the configuration settings, if there are any misconfigu-
10 ration settings; and
11 sending, in response to determining that there are no misconfiguration settings, a
12 directed packet through a potential data path to ensure that a component of the storage
13 network is operational.